

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLN. OF:

WITHERS et al.

SERIAL NO.:

10/828,641

FILED:

April 21, 2004

FOR:

THERMAL AND ELECTROCHEMICAL PROCESS FOR METAL...

GROUP:

1742

Confirmation No.

5332

DOCKET:

MER 03.01

MAIL STOP AMENDMENT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Dear Sir:

In connection with the above-entitled matter, Applicants hereby proffer U.S. Patent Office Form PTO-1449, including copies of the non-U.S. Patent references listed therein.

Applicants are not submitting copies of the U.S. Patents as the Office waived the requirement. The claims in the present application are believed to be patentably distinguished over these references.

This information disclosure statement is being made pursuant to the duty of disclosure imposed by law and formulated in 37 CFR 1.56(A). No representation is made that the information thus disclosed in fact constitutes prior art or that it is the closest prior art, inasmuch as 37 CFR 1.56(A) relies on a materiality concept which the the closest prior art, inasmuch of FC:1806

180,00 OP

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Serial No. 10/828,641 Docket No. MER 03.01 Supp. Information Disclosure Statement

Form PTO-2038 authorizing credit card payment in the amount of \$180.00 to cover the fee under 37 CFR 1.97(d) is enclosed. In the event there are any fee deficiencies or additional fees are payable, please credit them, or credit any overpayment, to our Deposit Account No. 08-1391.

Respectfully submitted,

Norman P. Soloway

Attorney for Applicants

Reg. No. 24,315

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: MAIL STOP AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

march 21, 2007

____ at Tucson, Arizona.

By

NPS:sb

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	FILING DA	DATE ROPRIATE	
	4,342,637	08.03.1982	Withe	ers et al.	204	282			
	4,409,083	10.11.1983	Upper	rman et al.	204	245	1.		
	2,302,604	11.17.1942	Dolbea	ar					
	2,722,509	11.01.1955	Waine	er et al.	204	64			
	2,707,168	04.26.1955	Waine	er et al.					
		U.S. PATE	.NT APPLI	ICATION PUBLICATION	NS		<u> </u>		
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	FILING DA IF APPRO		
	•	FORE	EIGN PAT	TENT DOCUMENTS			<u> </u>		
	DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	TRANS	ISLATION NO	
	GB 452269	07.03.1936	Great	Britain	C25C	7/02	,	11.5	
	GB 825872	23.12.1959	Great	Britain					
	CA 626,363	08.29.1961	Canada	ia					
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						+ + +			
	OTHER DOCUM			or, Title, Date, Pertind				L	
	Hashimoto, "Sintere Himeji Inst. Technol	ed Titanium Carl	hide as th	the Soluble Anode for	or Fused Solt Floo	otuolesiati Da	p. Mater. t only.	Sci.,	
	Hasimoto, "Extraction carbide", Dep. Mater only.	on of titanium fr r. Sci., Himeji In:	om solut st. Techr	ble anodes of arc-red nol., Journal writter	Juced titanium-c n in Japanese, 19	arbon-oxygen 71, pps. 282-2	and tita 288, Abst	nium ract	
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Form PTO-A820 . (also form PTO-1449)

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INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)

ATTY DOCKET NO. MER 03.01	APPLICATION NO. 10/828,641				
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			April 2	21, 2004		1742	
		υ	S. PATENT DOCUMENTS				
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DAT	
	2,681,847	06.22.1954	Wainer et al.	23	202		
	2,681,848	06.22.1954	Wainer et al.	23	202		*
	2,698,221	12.28.1954	Wainer et al.	23	202		
	2,743,166	04.24.1956	Wainer et al.	23	202		
	2,681,849	06.22.1954	Sibert et al.	23	202		
		U.S. PATE	NT APPLICATION PUBLICATION	ONS	•		
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
		FORE	EIGN PATENT DOCUMENTS				
	DOCUMENT NUMBER	DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS					LATION
						YES	NO
	OTHER DOCUM	ENTS (Includin	ng Author, Title, Date, Pert	tinent Pages Etc.)	1		
	Hashimoto, "Anodic electrolysis", Dep. 480-486, Abstractor	extraction of tit	anium from low-grade (る) ji Inst. Technol., Himeji, Ja			by fused- se, 1971, p	salt pps.
	Hashimoto, "Electro Himeji Inst. Technol	deposition of pu ., Himeji, Japan	re titanium metal by double, Journal written in Japane	le-stage fused-salt e ese, 1968, pps. 108-	electrolysis'', 119, Abstrac	Dep. Mat t only.	er. Sci.
EXAMINER		- 	DATE CONSIDERE	ED			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)

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WITHERS et al.			
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			April 2	1, 2004 1742				
		U.	S. PATENT DOCUMENTS					
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DA		
	2,750,259	06.12.1956	Steinberg et al.	23	202	II AFFRO	FRIATE	
	2,733,133	01.31.1956	Cave et al.	23	202			
	2,848,303	08.19.1958	Copper	23	202	 		
	3,047,477	07.31.1962	Spraul et al.					
	3,078,149	02.19.1963	Barber	23	202			
		U.S. PATE	NT APPLICATION PUBLICATION	·		<u> </u>		
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME CLASS		SUBCLASS		FILING DATE IF APPROPRIATE	
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				CLASS	SUBCLASS	YES	NO	
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		ENTO (local li						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Hashimoto, "Electrowinning of titanium from its oxides. III. Electrowinning of titanium from titanium dioxide or calcium titanate in calcium fluoride-magnesium fluoride molten bath salts", Dep. Mater. Sci., Himeji Inst. Technol., Himeji, Japan, 1972, pps. 39-44, Journal written in Japanese, Abstract only.

EXAMINER

DATE CONSIDERED

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			FILING	GROUP ART 1742				
		U	S. PATENT DOCUMENTS	1, 2004		1742		
EXAMINER	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE		
INITIAL	4,668,501	05.26.1987	Shibuta et al.			IF APPROPRIATE		
				423	608			
	2,792,310	05.14.1957	Steinberg et al.	106	43			
	2,880,149	03.31.1959	Carlton et al.	204	64			
	2,868,703	01.13.1959	Wainer					
	2,904,426	09.15.1959	Wainer	75	10			
		U.S. PATE	NT APPLICATION PUBLICATION	NS				
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
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	(Use several sheets if nec		WITHERS et al.					
			FILING April 21, 2004		GROUP ART			
		U.	S. PATEN	T DOCUMENTS				
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	FILING DA	
	2,833,704	05.06.1958	Waine	r	204	64		
	2,798,844	07.09.1957	Freedr	nan	204	64		
	2,828,251	03.25.1958	Sibert	et al.	204	39		
	3,098,805	07.23.1963	Ervin	et al.				
		11						
		U.S. PATEN	NT APPLIC	CATION PUBLICATION	ıs		<u> </u>	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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